species. of its The or dav. of testimonv rocks informs us. bevond the shadow of that at different periods of geological historv fauna and flora of the earth entirelv different: that very few of the species now existina be found during periods which, aeoloaically speaking, are not very remote, and with the progress of cycles the forms of animal and veaetable life have advanced from the very simplest to the complex developments of the present It is true that in only a few cases have tossils vielded us the actual links of a chain of evolutionarv changes, to show the steps by tribe organisms has altered its form. fossils of miserably epoch incomplete are a of record fauna : what. for instance. could we learn of the present-dav bird-li**fe** of England bv scourina the bed of the Thames ? But, in respect to a **fe**w animals. such links are forthcoming. One of the earliest forms of the horse whose fossil bones been covered (Orohippus) possessed fossils that have been disinterred from later deposits show very completely the absorption of toe. and the gradual shortening of the second fourth toes until they only remain as rudimentary " splint bones " in the horse of our Moreover. there has been a gradual change habitat: Life. beginning in the sea. has to the land and thence to the air, and

which for the most part inhabit one of

these elehave shown a ments tendencv to trespass nogu Thus others. amongst mammals which mainly terrestrial—whales and seals to water and bats to air : amongst birds. ostriches purelv become have terrestrial. penguins and divers almost aquatic: whilst frogs. other batrachians, pass a portion of their life water and another portion on land.